

Figure 1

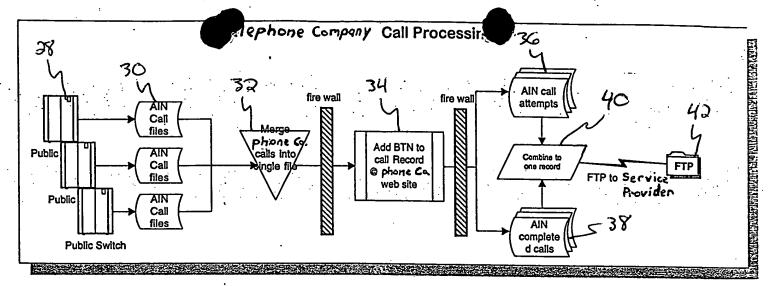


Fig. 2

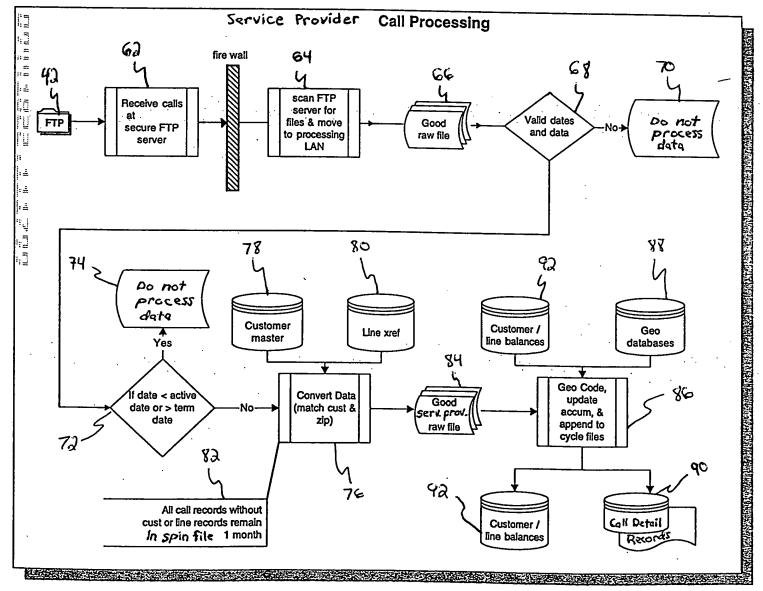


Fig. 4

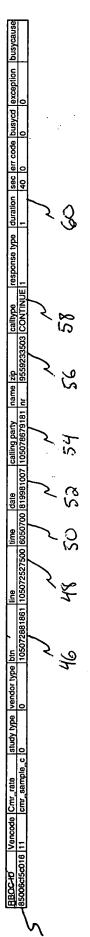
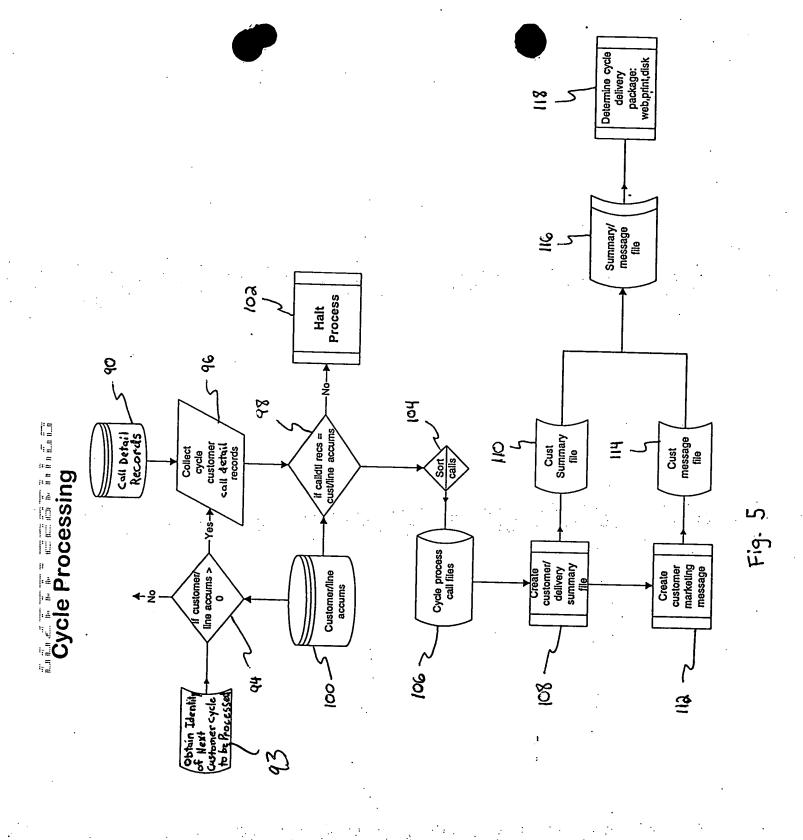


Fig. S

44



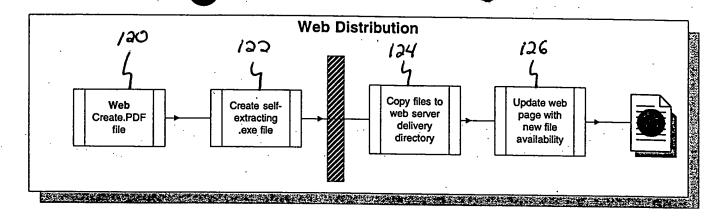


Fig. 6

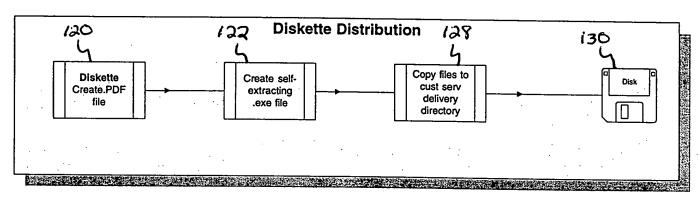


Fig. 7

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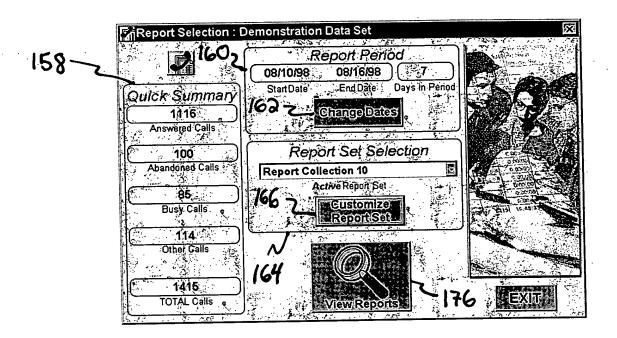
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## Geocoding logic hierarchy

<del></del>	Criterion				Value
IF .	<u>CASE</u> 9 digit zip exists in zij	. e			
			& exists in ->	9 digit zip DB	Α
		digit zip (1st 5 digits)		5 digit zip DB	. · <b>B</b> .
		digit zip (1st 3 digits)	exists in ->		С
		npanxx of calling # field	exists in ->	npanxx DB	D <sup>*</sup>
		npa of calling # field	exists in ->	nap DB	E.
	otherwise	use special value indicatin	g unknown origi	in	F
	CASE 7		•	• •	
otherwise, IF		ts in zip field (bad data)	•		
		npanxx of calling # field	exists in ->	npanxx DB	G
		npa of calling # field	exists in ->	nap DB	н
	otherwise (	use special value indicatin	g unknown origi	n	1
otherwise, IF	5 digit zip exists in zip	) field	& exists in ->	5 digit zip DB	J.
	otherwise \$	digit zip (1st 3 digits)	exists in ->	3 digit zip DB	K
;÷ m	_	panxx of calling # field	exists in ->	npanxx DB	L
		npa of calling # field		nap DB	M
1. d		ise special value indicatin			N
# <b>c</b>	CASE 4	).	g	••	IV
otherwise, IF	< 5 digit zip exists in z				
( <del>-</del>		panxx of calling # field	exists in ->	npanxx DB	. В
ÎŌ		ipa of calling # field	exists in ->	nap DB	Q
		ise special value indicatin			R
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otherwise, IF	0 or null exists in zip f	ield (no zip)			
<b>!</b>		panxx of calling # field	exists in ->	npanxx DB	S.
<u>.</u>		pa of calling # field	exists in ->	•	T
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		op solar value maleami	g anknown ongn	11	U
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Table 1



Appendix A

		A	wowst 199	8		
Mon	Tue	Wed	Thu	Frit	Set	Sunj
27	28	29	30	31	1	2
3	4	5	6	7	8	9
- Allo	4 (4)	. તીંબુ	* ACTIVE,* Available	- 6 /al	408	4 (6)
<b>417.</b>	18 <sub>1</sub>	19.	Available	21	22,	23
24	25	26	27	28	29	30
31	1	2	3	4	5	6

Appendix B

	Customize Report Sets
	Report Collection 10
	Report Sets Select (2) Gall Types
	Reports in Set. 1
	Select Telephones
	New Copy Rename Delete.
	Weekly View Callers Areas MultiPlocation Firends
,,, >	
168	Summary & Sall Types & Sold Sall Types
	Summary ☑ ☐ Call Type By Day (weekly Total) ☐ ☐
	Call Totals Call Type By Hour (daily Detail)
	Usage, Call Type By Hour (weekly Total)
	Call Duration Distribution 🖂 🗀 🖂 Answered Togals 👝 🖂
	Total Call Duration 🔲 🔯 Busy Totals 🗀 🖂
	Average Call Duration 🔲 🖂 Abandoned Totals 🖂 🖂 🧖
	Other Totals   Other Totals
	TIPS I

Appendix C





## October 26, 1998 - November 1, 1998

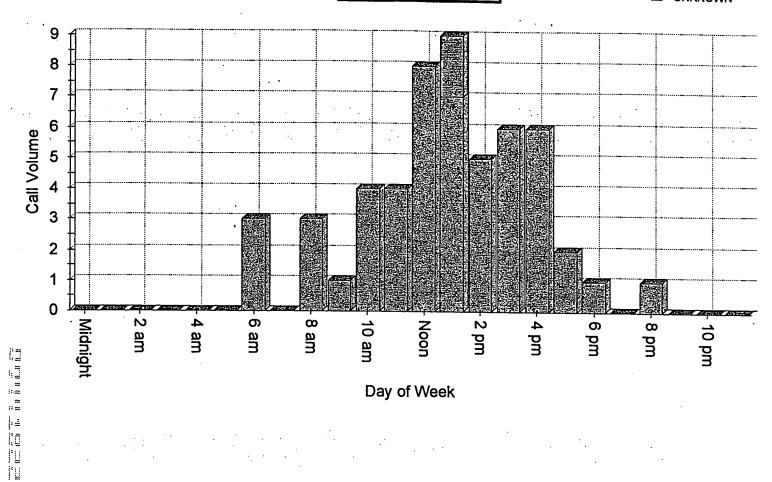
## **New ZIP Codes**

New ZIP codes discovered in the current date range ranked by answered call count.

Zip Code	ip Code State		First Call Date & Time	Last Call Date & Time	Total Duration	
EE 400	MN	Count 11	10/26/98 11:07:00 AM	10/30/98 02:46:00 PM	0:27:40.0	
55402	MN	11	10/26/98 12:11:00 PM	10/29/98 02:37:00 PM	0:11:25.0	
55416	UT	6	10/26/98 09:56:00 AM	10/28/98 02:15:00 PM	0:31:12.0	
84111	MN	6	10/26/98 01:38:00 PM	10/30/98 11:57:00 AM	0:14:28.0	
55343	MN	5	10/26/98 06:43:00 PM	10/28/98 05:47:00 PM	0:44:51.0	
56304		4	10/27/98 05:15:00 PM	10/29/98 05:48:00 PM	0:06:14.0	
85012	AZ	4	10/26/98 06:51:00 AM	10/28/98 02:43:00 PM	0:02:31.0	
55347	MN	3	10/26/98 10:34:00 AM	10/29/98 06:09:00 PM	0:16:07.0	
98191	WA	3	10/26/98 11:48:00 AM	10/27/98 11:30:00 AM	0:03:12.0	
55104	MN		10/26/98 11:48:00 AM 10/27/98 05:34:00 PM	10/30/98 01:03:00 PM	0:02:17.0	
55415	MN	3		10/26/98 02:57:00 PM	0:01:24.0	
80132	CO	3	10/26/98 12:57:00 PM	10/28/98 03:56:00 PM	0:06:05.0	
55425	MN	2	10/26/98 04:25:00 PM	10/28/98 03:36:00 PM	0:05:34.0	
98188	WA	2	10/28/98 01:26:00 PM		0:04:48.0	
83204	ID ID	2	10/30/98 11:09:00 AM	10/30/98 11:09:00 AM	0:03:39.0	
55431	MN	2	10/26/98 03:59:00 PM	10/30/98 09:44:00 AM	0:03:07.0	
55124	MN	2	10/27/98 02:08:00 PM	10/27/98 02:10:00 PM	<del></del>	
55364	MN	2	10/27/98 03:50:00 PM	10/27/98 03:50:00 PM	0:00:46.0	
55437	MN	2	10/28/98 05:11:00 PM	10/29/98 03:25:00 PM	0:00:29.0	
55305	MN	1 1	10/27/98 03:20:00 PM	10/27/98 03:20:00 PM	0:09:54.0	
85283	AZ	1 1	10/28/98 05:44:00 PM	10/28/98 05:44:00 PM	0:07:33.0	
85024	AZ	1	10/27/98 05:41:00 PM	10/27/98 05:41:00 PM	0:04:06.0	
80202	CO	1 1	10/30/98 01:36:00 PM	10/30/98 01:36:00 PM	0:03:35.0	
55118	MN	11	10/30/98 08:37:00 AM	10/30/98 08:37:00 AM	0:03:17.0	
97401	OR	1	10/29/98 02:13:00 PM	10/29/98 02:13:00 PM	0:02:32.0	
80206	CO	1	10/28/98 10:09:00 AM	10/28/98 10:09:00 AM	0:02:02.0	
68144	NE	1	10/28/98 03:14:00 PM	10/28/98 03:14:00 PM	0:01:51.0	
55391	MN	1	10/28/98 05:36:00 PM	10/28/98 05:36:00 PM	0:01:48.0	
55011	MN	1_1_	10/26/98 02:30:00 PM	10/26/98 02:30:00 PM	0:01:47.0	
85255	AZ	1	10/27/98 05:55:00 PM	10/27/98 05:55:00 PM	0:01:22.0	
99216	WA	1	10/30/98 11:29:00 AM	10/30/98 11:29:00 AM	0:01:11.0	
97204	OR	1	10/26/98 02:08:00 PM	10/26/98 02:08:00 PM	0:00:57.0	
55113	MN	1	10/26/98 03:59:00 PM	10/26/98 03:59:00 PM	0:00:43.0	
68102	NE	1	10/26/98 12:05:00 PM	10/26/98 12:05:00 PM	0:00:41.0	
98004	WA	1	10/30/98 03:32:00 PM	10/30/98 03:32:00 PM	0:00:41.0	
55422	MN	1	10/26/98 11:12:00 AM	10/26/98 11:12:00 AM	0:00:20.0	
55102	MN	1	10/27/98 11:47:00 AM	10/27/98 11:47:00 AM	0:00:07.0	
55427	MN	1	10/26/98 04:09:00 PM	10/26/98 04:09:00 PM	0:00:06.0	
55404	MN	1	10/26/98 04:26:00 PM	10/26/98 04:26:00 PM	0:00:05.0	
55420	MN	1	10/26/98 10:05:00 AM	10/26/98 10:05:00 AM	0:00:03.0	

Appendix D





Appendix E

